

i mage

1646--

PATENT Attorney Reference Number 4239-66645

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Combadiere et al.

Application No. 10/700,313

Filed: October 31, 2003

Confirmation No.

For: CC CHEMOKINE RECEPTOR 5 DNA,

NEW ANIMAL MODELS AND THERAPEUTIC AGENTS FOR HIV

INFECTION

Examiner: John D. Ulm

Art Unit: 1646

Attorney Reference No. 4239-66645

COMMISSIONER FOR PATENTS P.O. BOX 1450 ALEXANDRIA, VA 22313-1450

CERTIFICATE OF MAILING

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: COMMISSIONER FOR PATENTS. P.O. BOX 1450, ALEXANDRIA, VA 22213-1450 on the

date shown below.

Attorney

for Applicant(s)

Tanya M. Harding Ph.D.

Date Mailed February 21,

TRANSMITTAL LETTER

Enclosed for filing in the application referenced above are the following:

☐ Information Disclosure Statement

Form 1449 and two of the references cited thereon

The Director is hereby authorized to charge any additional fees that may be required, or credit over-payment, to Deposit Account No. 02-4550. A copy of this sheet is enclosed.

Please return the enclosed postcard to confirm that the items listed above have been received.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

By

Tanya M. Harding, Ph.D. Registration No. 42,630

One World Trade Center, Suite 1600 121 S.W. Salmon Street Portland, Oregon 97204

Telephone: (503) 226-7391 Facsimile: (503) 228-9446

cc: Docketing



02/27/04 4239-66645 Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Combadiere et al.

Application No. 10/700,313

Filed: October 31, 2003

Confirmation No.

For: CC CHEMOKINE RECEPTOR 5 DNA,

> NEW ANIMAL MODELS AND THERAPEUTIC AGENTS FOR HIV

INFECTION

Examiner: John D. Ulm

Art Unit: 1646

Attorney Reference No. 4239-66645

COMMISSIONER FOR PATENTS P.O. BOX 1450 **ALEXANDRIA, VA 22313-1450**

CERTIFICATE OF MAILING

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450 on the

date shown below.

Attorney

for Applicant(s

Date Mailed February 27, 2004

INFORMATION DISCLOSURE STATEMENT FOR CONTINUING APPLICATIONS

Listed on the accompanying form PTO-1449 are several English-language documents. Applicants respectfully request that such documents be listed as references cited on the issued patent.

The present application relies upon U.S. Patent Application No. 08/864,458, which was filed May 28, 1997, for an earlier filing date under 35 U.S.C. § 120. Furthermore, documents listed on the accompanying form PTO-1449 were disclosed to or cited by the Patent Office in the earlier U.S. application. Copies of the documents listed on the accompanying form PTO-1449 that were cited by applicants in the earlier application need not be sent to the Patent Office pursuant to 37 C.F.R. § 1.98. However, applicants will furnish the Patent Office with such copies upon request.

Copies of documents listed on the accompanying form PTO-1449 that were cited by the Patent Office in the earlier application are enclosed. Also enclosed are copies of any documents not previously submitted in this application.

TMH:dv 02/27/04 4239-66645 Patent

Applicants are filing this Information Disclosure Statement ("IDS") before the mailing of a first Office action after that filing. It is believed that no fee is due to file this IDS. If the Commissioner determines that a fee is due, Deposit Account authority is provided on the accompanying transmittal letter.

The filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the statement is, or is considered to be, prior art or otherwise material to patentability as defined in Rule 56.

Respectfully submitted,

KLARQUIST SPARKMAN, LILP

By

Vanya M. Harding, Ph.D. Registration No. 42,630

One World Trade Center, Suite 1600 121 S.W. Salmon Street Portland, Oregon 97204

Telephone: (503) 226-7391 Facsimile: (503) 228-9446



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Attorney Docket Number	4239-66645
Application Number	10/700,313
Filing Date	October 31, 2003
First Named Inventor	Combadiere
Art Unit	1646
Examiner Name	John D. Ulm

U.S. PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Number	Date	Name
		US2001/0000241	12 April 2001	Li et al.
		US2002/0076745	20 June 2002	Li et al.
		US2002/0099176	25 July 2002	Li et al.
		US2002/0106742	08 Aug 2002	Samson et al.
		US2002/0110805	15 Aug 2002	Samson et al.
		US2002/0110870	15 Aug 2002	Samson et al.
		US2002/0132269	19 Sept 2002	Li et al.
		US2002/0150888	17 Oct 2002	Gray et al.
		US2003/0023044	30 Jan 2003	Li et al.
		5,440,021	08 Aug 1995	Chuntharapai et al.
		6,025,154	15 Feb 2000	Li and Ruben
		6,265,184	24 July 2001	Gray et al.
		6,268,477	31 July 2001	Gray et al.
		6,448,375	10 Sept 2002	Samson et al.
		6,511,826	28 Jan 2003	Li et al.
		6,528,625	04 Mar 2003	Wu et al.

EXAMINER	
SIGNATURE:	

DATE CONSIDERED:

^{*} Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Attorney Docket Number	4239-66645
Application Number	10/700,313
Filing Date	October 31, 2003
First Named Inventor	Combadiere
Art Unit	1646
Examiner Name	John D. Ulm

FOREIGN PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Number	Date	Country	
		2,146,328	26 May 1994	Canada	
Water State of the		WO 94/12635	09 June 1994	WIPO	
***************************************		WO 95/19436	20 July 1995	WIPO	
		WO 96/39437	12 Dec 1996	WIPO	
		WO 97/22698	26 June 1997	WIPO	
		WO 97/32019	04 Sept 1997	WIPO	
		WO 97/37005	09 Oct 1997	WIPO	
		WO 97/44055	27 Nov 1997	WIPO	
		WO 97/47318	18 Dec 1997	WIPO	
Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS			
		Alkhatib et al., "CC CKR5: A RANTES, MIP-1α, MIP-1β Receptor as a Fusion Cofactor for Macrophage-Tropic HIV-1," Science, 272:1955-1958, June 28, 1996			
		Arenzana-Selsdedos <i>et al.</i> , "HIV blocked by chemokine antagonist," <i>Nature</i> 383:400, October 3, 1996			
		Aversa et al., "An Interleukin 4 (IL-4) Mutant Protein Inhibits both IL-4 or IL-13-induc Human Immunoglobulin G4 (IgG4) and IgE Synthesis and B Cell Proliferation: Support for a Common Component Shared by IL-4 and IL-13 Receptors," J. Exp. Med., 178: 2213-2218, December 1993 Carroll et al., "Differential Regulation of HIV-1 Fusion Cofactor Expression by CD28 Costimulation of CD4+ T Cells," Science 276:273-276, April 11, 1997			

DATE CONSIDERED:

^{*} Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Attorney Docket Number	4239-66645
Application Number	10/700,313
Filing Date	October 31, 2003
First Named Inventor	Combadiere
Art Unit	1646
Examiner Name	John D. Ulm

	Art Unit	1040	
	Examiner Name	John D. Ulm	
	Cocchi et al., "Identification of RANTES, MIP-1α, and MIP-1β as the Major HIV- Suppressive Factors Produced by CD8 ⁺ T Cells," Science, 270: 1811-1815, December 15, 1995		
Chemokine Receptor," <i>The America</i> 1995 Annual Meeting no later than A	Combadiere and Murphy, "Cloning and Functional Expression of a Human Monocyte CC Chemokine Receptor," <i>The American Society for Cell Biology</i> , Abstract; Submitted to 1995 Annual Meeting no later than August 1, 1995		
CC chemokine receptor selective for 60:147-152, July 1996	Combadiere <i>et al.</i> , "Cloning and functional expression of CC CKR5, a human monocyte CC chemokine receptor selective for MIP-1α, MIP-1β, and RANTES," <i>J. Leuk. Biol.</i> 60:147-152, July 1996		
Combadiere and Murphy, "Cloning and CC Chemokine Receptors," <i>The Amageiology</i> , Abstract, submitted to 1996	erican Society for Biochemi:	stry and Molecular	
Combadiere <i>et al</i> . "Cloning, Chromo Human β Chemokine Receptor-Like November 8, 1995	Gene," DNA and Cell Biol.	, 14(8):673-680,	
He et al., "CCR3 and CCR5 are co-r 385:645-649, February 13, 1997			
Kaplan <i>et al.</i> , "Chemokines and the August 1995 (ABSTRACT ONLY)	allergic response," Exp. Der	matol., 4(4 Pt 2):260-265,	
Margolis et al., "Host vs. Viral Factor Mol. Path. Model April 11, 1997			
McKenzie <i>et al.</i> , "Interleukin 13, a 7 monocyte and B-cell function," <i>Proc</i>	c. Natl. Acad. Sci. USA, 90:3	735-3739, April 1993	
Minty et al., "Interleukin-13 is a nev immune responses," Nature, 362:248		ting inflammatory and	
Raport <i>et al.</i> "Molecular Cloning and Chemokine Receptor (CCR5) for RA 271(29):17161-17166, July 19, 1996	ANTES, MIP-1β, and MIP-1		
Robinson et al., "Chemokine express RANTES and macrophage inflamma cells," Clin. Exp. Immunol., 101(3):3	atory protein (MIP)-1 beta p 198-407, September 1995 (A	roduction by synovial T ABSTRACT ONLY)	
Samson et al., "Molecular Cloning a Chemokine Receptor Gene," Bioche	•		

EXAMINER	DATE
SIGNATURE:	CONSIDERED:

^{*} Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Attorney Docket Number	4239-66645
Application Number	10/700,313
Filing Date	October 31, 2003
First Named Inventor	Combadiere
Art Unit	1646
Examiner Name	John D. Ulm

Simmons et al., "Potent Inhibition of HIV-1 Infectivity in Macrophages and Lymphocytes
by a Novel CCR5 Antagonist," Science 276:276-279, April 11, 1997
Uguccioni et al., "Actions of the chemotactic cytokines MCP-1, MCP-2, MCP-3,
RANTES, MIP-1 alpha and MIP-1 beta on human monocytes," Eur. J. Immunol.,
25(1):64-68, January 1995 (ABSTRACT ONLY)
Zimmerman et al., "Inherited Resistance to HIV-1 Conferred by an Inactivating Mutation
in CC Chemokine Receptor 5: Studies in Populations with Contrasting Clinical
Phenotypes, Defined Racial Background, and Quantified Risk," Mol. Med. 3(1):23-36,
January 1997
Zurawski et al., "Receptors for interleukin-13 and interleukin-4 are complex and share a
novel component that functions in signal transduction," EMBO J., 12(7):2663-2670, 1993

EXAMINER	DATE
SIGNATURE:	CONSIDERED:
SIGNATURE:	CONSIDERED:

^{*} Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.